

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF A EXISTING TRAFFIC SIGNAL AT MD 528 (COASTAL HIGHWAY.) AND 36TH STREET IN WORCHESTER COUNTY. THE EXISTING LOOP DETECTORS FOR THE LEFT TURNS FOR MD 528 AND THE PRESENCE DETECTION OF THE SIDE ROADS OF 36TH STREET SHALL BE REMOVED. NEW OVERHEAD VIDEO DETECTION CAMERA'S SHALL BE INSTALLED TO THE MAST ARM'S OF MD 528 AND 36TH STREET FOR THE ACTUATION OF LEFT TURNS FOR NORTH AND SOUTHBOUND MD 528 AND FOR THE SIDE STREET PRESENCE DETECTION OF 36TH STREET.

INTERSECTION OPERATION

A CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 5 NEMA PHASES. VIDEO DETECTION CAMERAS SHALL BE INSTALLED AT THIS LOCATION FOR THE ACTUATION OF THE LEFT TURNS FOR THE MAINLINE (MD 528 COASTAL HIGHWAY) AND THE SIDE STREET PRESENCE DETECTION OF 36TH STREET.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. GENE COFIELD, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 677-4040  
MR. JAMES R. WRIGHT, ASSISTANT DISTRICT ENGINEER-MAINTENANCE  
PHONE: (410) 677-4010  
MS. RAVINDRA GANVIR, ASSISTANT DISTRICT ENGINEER- CONSTRUCTION  
PHONE: (410) 677-4020  
MR. BRUCE W. POOLE, UTILITY ENGINEER  
PHONE: (410) 677-4082  
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

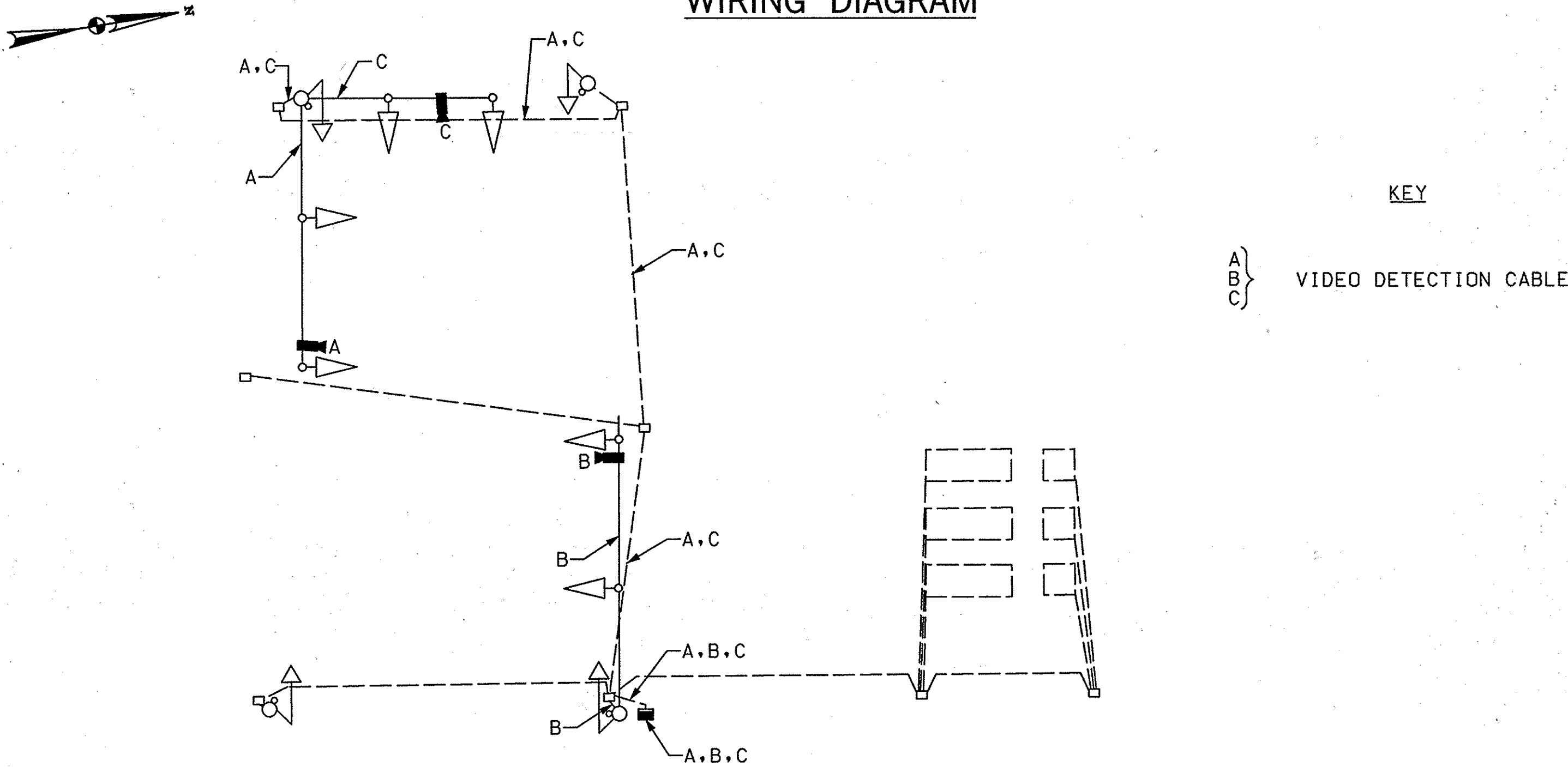
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9044	CONTROLLER CABINET, SIZE 6	EA	1
9086	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

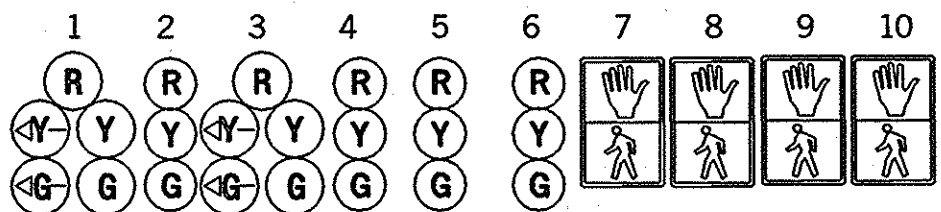
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC PER ASSIGNMENT	EA	* SEE SHEET 2
8004	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT	EA	*
8026	VIDEO DETECTION CAMERA	EA	3
8027	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	1
8028	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	2
8032	INSTALL CONTROLLER AND CABINET - BASE MOUNT	EA	1

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM



PHASE CHART



PHASE 1 AND 5	←GR	R	←GR	R	R	R	DW	DW	DW	DW	↑
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6	←GG	G	R	R	R	R	DW	DW	DW	DW	↑
PHASE 1 AND 6	←YG	G	R	R	R	R	DW	DW	DW	DW	↑
1 AND 6 CHANGE	←YG	G	R	R	R	R	DW	DW	DW	DW	↑
PHASE 2 AND 5	R	R	←GG	G	R	R	DW	DW	DW	DW	↑
2 AND 5 CHANGE	R	R	←YG	G	R	R	DW	DW	DW	DW	↑
PHASE 2 AND 6	G	G	G	G	R	R	DW	DW	DW	DW	↑
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	DW	DW	DW	DW	↑
PHASE 4	R	R	R	R	G	G	DW	DW	DW	DW	↑
4 CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW	↑
PHASE 4 ALT	R	R	R	R	G	G	WK	WK	WK	WK	↑
PED CLEARANCE	R	R	R	R	G	G	FLDW	FLDW	FLDW	FLDW	↑
4 ALT CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW	↑
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	DARK	DARK	DARK	DARK	↑

TOD No: AT725-12  
SHA No: WO440A52/B52  
MD 528: 26<sup>th</sup> Street to 65<sup>th</sup> Street

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
**MD 528 (COASTAL HIGHWAY) AT  
36TH STREET**  
OCEAN CITY, MARYLAND

GENERAL INFORMATION PLAN

SCALE N.T.S. DATE 08/24/07 CONTRACT NO. AT7255185

DESIGNED BY S. SMITH COUNTY WORCESTER  
DRAWN BY J. WOOD LOGMILE 23052806.22  
CHECKED BY J. WEAVER T.I.M.S. NO. H928  
F.A.P. NO. TOD NO.

TS NO. 2314A DRAWING 2 OF 2 SHEET NO. 8 OF 16

**SABRA, WANG & ASSOCIATES, INC.**  
1604 JOH AVENUE  
SUITE 160  
BALTIMORE, MD 21227  
(410) 737-5594  
WWW.SABRA-WANG.COM

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